

552,299

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 October 2004 (21.10.2004)

PCT

(10) International Publication Number
WO 2004/090120 A2

(51) International Patent Classification⁷: C12N 5/06, 9/64, A61K 38/48

(21) International Application Number: PCT/IL2004/000314

(22) International Filing Date: 7 April 2004 (07.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
155302 8 April 2003 (08.04.2003) IL
159306 10 December 2003 (10.12.2003) IL

(71) Applicant (for all designated States except US): YEDA RESEARCH AND DEVELOPMENT CO. LTD [IL/IL]; Weizmann Institute of Science, P.O.Box 95 (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KOLLET, Orit [IL/IL]; 14 Ramat Chen St., 52232 Ramat Gan (IL). LAPIDOT, Tsvee [IL/IL]; 6 Boxer St., 74046 Ness Ziona (IL).

(74) Agent: EINAV, Henry; Inter-Lab Ltd., Science Based Industrial Park, Kiryat Weizmann, 76110 Ness Ziona (IL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

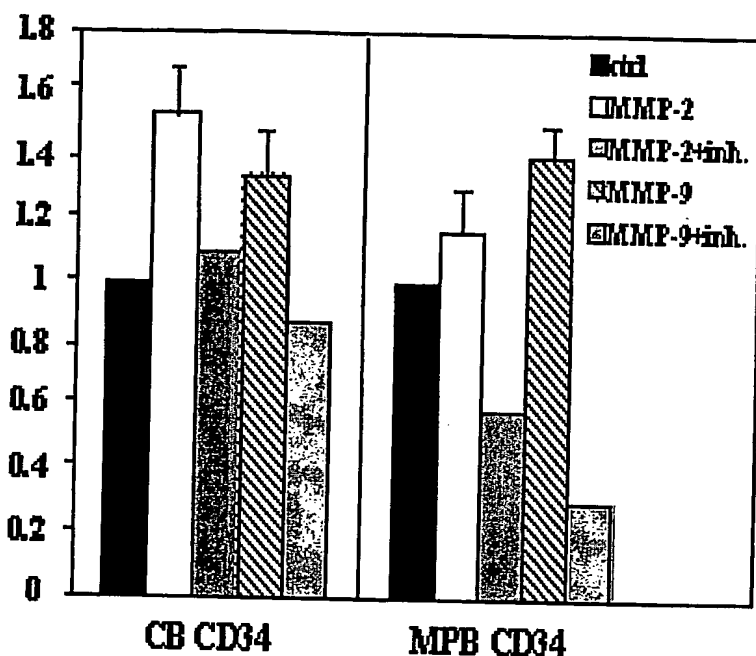
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: STEM CELLS HAVING INCREASED SENSITIVITY TO A CHEMOATTRACTANT AND METHODS OF GENERATING AND USING SAME



(57) Abstract: The present invention relates to stem cells which exhibit increased sensitivity to a chemoattractant and, more particularly, to methods of generating and using them such as in clinical applications involving stem cell transplantation.

WO 2004/090120 A2